

2025 **2024** **2023** **2022** **2021** **2020** **2019** **2018** **2017** **2016** **2015** **2014** **2013** **2012** **2011** **2010** **2009** **2008** **2007** **2006** **2005** **2004** **2003** **2002** **2001** **2000** **1999** **1998** **1997** **1996** **1995** **1994** **1993** **1992** **1991** **1990** **1989** **1988** **1987** **1986** **1985** **1984** **1983** **1982** **1981** **1980** **1979** **1978** **1977** **1976** **1975** **1974** **1973** **1972** **1971** **1970** **1969** **1968** **1967** **1966** **1965** **1964** **1963** **1962** **1961** **1960** **1959** **1958** **1957** **1956** **1955** **1954** **1953** **1952** **1951** **1950** **1949** **1948** **1947** **1946** **1945** **1944** **1943** **1942** **1941** **1940** **1939** **1938** **1937** **1936** **1935** **1934** **1933** **1932** **1931** **1930** **1929** **1928** **1927** **1926** **1925** **1924** **1923** **1922** **1921** **1920** **1919** **1918** **1917** **1916** **1915** **1914** **1913** **1912** **1911** **1910** **1909** **1908** **1907** **1906** **1905** **1904** **1903** **1902** **1901** **1900** **1899** **1898** **1897** **1896** **1895** **1894** **1893** **1892** **1891** **1890** **1889** **1888** **1887** **1886** **1885** **1884** **1883** **1882** **1881** **1880** **1879** **1878** **1877** **1876** **1875** **1874** **1873** **1872** **1871** **1870** **1869** **1868** **1867** **1866** **1865** **1864** **1863** **1862** **1861** **1860** **1859** **1858** **1857** **1856** **1855** **1854** **1853** **1852** **1851** **1850** **1849** **1848** **1847** **1846** **1845** **1844** **1843** **1842** **1841** **1840** **1839** **1838** **1837** **1836** **1835** **1834** **1833** **1832** **1831** **1830** **1829** **1828** **1827** **1826** **1825** **1824** **1823** **1822** **1821** **1820** **1819** **1818** **1817** **1816** **1815** **1814** **1813** **1812** **1811** **1810** **1809** **1808** **1807** **1806** **1805** **1804** **1803** **1802** **1801** **1800** **1799** **1798** **1797** **1796** **1795** **1794** **1793** **1792** **1791** **1790** **1789** **1788** **1787** **1786** **1785** **1784** **1783** **1782** **1781** **1780** **1779** **1778** **1777** **1776** **1775** **1774** **1773** **1772** **1771** **1770** **1769** **1768** **1767** **1766** **1765** **1764** **1763** **1762** **1761** **1760** **1759** **1758** **1757** **1756** **1755** **1754** **1753** **1752** **1751** **1750** **1749** **1748** **1747** **1746** **1745** **1744** **1743** **1742** **1741** **1740** **1739** **1738** **1737** **1736** **1735** **1734** **1733** **1732** **1731** **1730** **1729** **1728** **1727** **1726** **1725** **1724** **1723** **1722** **1721** **1720** **1719** **1718** **1717** **1716** **1715** **1714** **1713** **1712** **1711** **1710** **1709** **1708** **1707** **1706** **1705** **1704** **1703** **1702** **1701** **1700** **1699** **1698** **1697** **1696** **1695** **1694** **1693** **1692** **1691** **1690** **1689** **1688** **1687** **1686** **1685** **1684** **1683** **1682** **1681** **1680** **1679** **1678** **1677** **1676** **1675** **1674** **1673** **1672** **1671** **1670** **1669** **1668** **1667** **1666** **1665** **1664** **1663** **1662** **1661** **1660** **1659** **1658** **1657** **1656** **1655** **1654** **1653** **1652** **1651** **1650** **1649** **1648** **1647** **1646** **1645** **1644** **1643** **1642** **1641** **1640** **1639** **1638** **1637** **1636** **1635** **1634** **1633** **1632** **1631** **1630** **1629** **1628** **1627** **1626** **1625** **1624** **1623** **1622** **1621** **1620** **1619** **1618** **1617** **16**

5 the first information is formed in the same format
as second information recorded on a prescribed recordable
disk medium: and

2. A reproduction-only disk medium according to claim 1,
wherein third information, which represents that the first
15 information is illegal, is preformed.

the first information is formed according to a
20 prescribed modulation rule;

25 a second mark and a third mark respectively having
a different prescribed code length are formed so as to be
adjacent the first mark.

the first information is formed along a first spiral direction of a spiral first track on the reproduction-only disk medium; and

the first spiral direction is opposite to a second spiral direction of a spiral second track on the prescribed recordable disk medium on which the second information is recorded.

5

5. A recordable disk medium on which first information is recorded, wherein:

the first information is recorded in the same format as second information preformed on a prescribed reproduction-only disk medium; and

10

a direction along which the first information is recorded on the recordable disk medium is opposite to a direction along which the second information is formed on the prescribed reproduction-only disk medium.

15

6. A recordable disk medium according to claim 5, comprising a region in which third information is recorded representing whether the first information is legal or illegal.

20

7. A recordable disk medium according to claim 5, wherein: the first information is recorded according to a prescribed modulation rule;

fourth information, which has a first mark having a code length other than that created according to the prescribed modulation rule, is recorded on the recordable disk medium; and

25

a second mark and a third mark respectively having a different prescribed code length are recorded so as to be adjacent the first mark.

30

8. A recordable disk medium according to claim 5, wherein: the first information is recorded along a first spiral direction of a spiral first track on the recordable disk

12. An optical disk apparatus according to claim 9, wherein:
the reproduction-only disk medium includes pre-
formed third information which represents that the first
5 information is illegal; and
during reproduction of the reproduction-only disk
medium, the third information is ignored by the optical disk
apparatus.
- 10 13. An optical disk apparatus according to claim 10, wherein:
the reproduction-only disk medium includes pre-
formed fourth information representing the first spiral
direction;
the recordable disk medium includes preformed fifth
15 information representing the second spiral direction; and
a direction identification section identifies the
first spiral direction and the second spiral direction based
on the fourth information and the fifth information.
- 20 14. A disk medium identification method for identifying a
reproduction-only disk medium including a plurality of pits
preformed along a first spiral direction of a spiral first
track and a recordable disk medium on which information can
be recorded along a second spiral direction of a spiral second
25 track opposite to the first spiral direction, the method
comprising the steps of:
performing tracking control by rotating a prescribed
disk along a prescribed direction;
integrating a tracking error signal created when
30 performing the tracking control; and
identifying the reproduction-only disk medium and
the recordable disk medium according to a polarity of the
integrated tracking error signal.

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15. A disk medium identification method for identifying a reproduction-only disk medium including a plurality of pits preformed along a first spiral direction of a spiral first track and a recordable disk medium on which information can be recorded along a second spiral direction of a spiral second track opposite to the first spiral direction, the method comprising the steps of:

5
10 detecting a first signal from a prescribed disk when the prescribed disk is rotated along a prescribed direction; and

identifying the reproduction-only disk medium and the recordable disk medium based on the first signal.

15 16. A disk medium identification method according to claim 15, wherein the first signal includes at least a second signal having a first code length, a third signal having a second code length, and a fourth signal having a third code length, the code lengths being different from one another.

20 17. A disk medium identification method according to claim 16, identifying the reproduction-only disk medium and the recordable disk medium according to at least an order in which the second signal, the third signal, and the fourth signal are reproduced.

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